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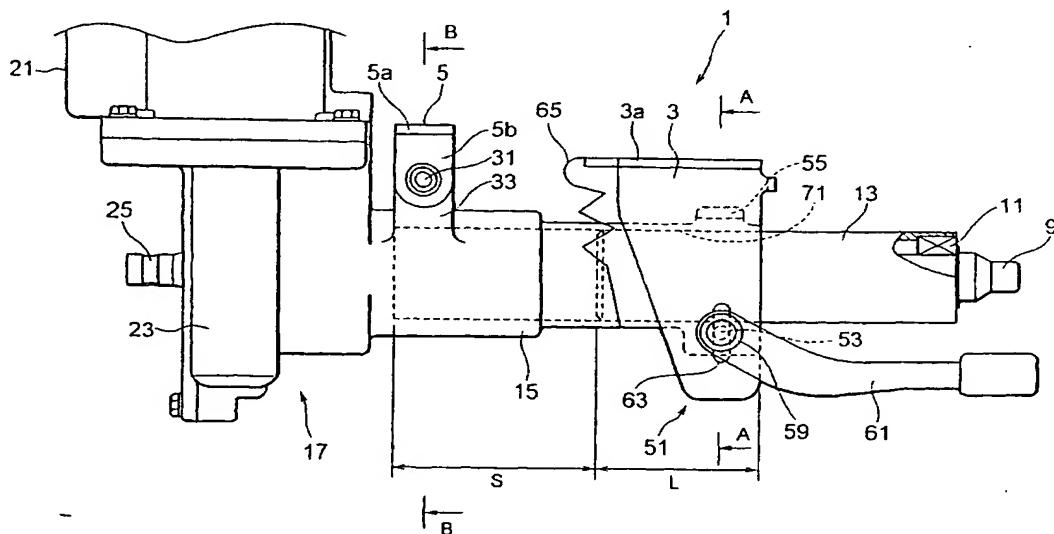
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[統葉有]

(54) Title: ELECTRIC POWER STEERING DEVICE

(54) 発明の名称: 電動パワーステアリング装置



A1

(57) Abstract: An electric power steering device, comprising a steering shaft having a steering wheel fitted to the upper end part thereof, a steering column rotatably supporting the steering shaft, tilted about a pivot, and axially telescoped together with the steering shaft, an electric assist motor unit fitted to the steering column for assisting the steering force of the steering wheel, and a tilting and telescoping adjustment means for fixing the steering column at specified angular and axial positions, wherein the pivot is disposed between the electric motor unit and the tilting and telescoping adjustment means.

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(57) 要約: 上端部にステアリングホイールが装着されるステアリングシャフトと、このステアリングシャフトを回転自在に支持し、ピボットを支点としてチルト動かし、更に前記ステアリングシャフトと共に軸方向にテレスコピック動するステアリングコラムと、このステアリングコラムに取り付けられ、ステアリングホイールの操舵力補助に供される電動ア

[統葉有]



(81) 指定国(国内): CN, JP, US.

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— 國際調査報告書

(84) 指定国(広域): ヨーロッパ特許(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイドスノート」を参照。

シストモータユニットと、ステアリングコラムを所定の角度位置に固定すると共に、ステアリングコラムを所定の軸方向位置に固定するチルト・テレスコピック調整手段とを備えた電動パワーステアリング装置において、ピボットが電動モータユニットとチルト・テレスコピック調整手段との間に配置されている。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08468

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B62D1/18, B62D5/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B62D1/00-1/28, B62D5/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003
 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-291920 A (NSK Ltd.), 26 October, 1999 (26.10.99), Par. Nos. [0014] to [0019] (Family: none)	1, 2
Y	JP 2000-159043 A (Koyo Seiko Co., Ltd.), 13 June, 2000 (13.06.00), Par. No. [0046]; Fig. 12 (Family: none)	1, 2
Y	JP 2000-211533 A (NSK Ltd.), 02 August, 2000 (02.08.00), Par. Nos. [0008] to [0012] (Family: none)	1

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "&" document member of the same patent family

Date of the actual completion of the international search
12 August, 2003 (12.08.03)Date of mailing of the international search report
26 August, 2003 (26.08.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/08468

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-301492 A (Koyo Seiko Co., Ltd.), 02 November, 1999 (02.11.99), Par. Nos. [0029] to [0032] (Family: none)	1
Y	JP 2002-2502 A (Koyo Seiko Co., Ltd.), 09 January, 2002 (09.01.02), Par. No. [0012] (Family: none)	2
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 089292/1980 (Laid-open No. 12360/1982) (Mitsubishi Motors Corp.), 22 January, 1982 (22.01.82), Pages 3 to 4 (Family: none)	2
A	JP 59-231242 A (Aisin Seiki Co., Ltd.), 25 December, 1984 (25.12.84), & US 4612822 A & DE 3421795 A	1